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Montana Oil and Gas STATISTICAL BULLETIN

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OIL AND GAS CONSERVATION COMMISSION
SAVINGS BLDG.
HELENA, MONTANA

Vol. XIV, No. 10 — 3 — October 1966

Production of crude oil and condensate from the oil and gas areas of Montana for the month of October, 1966, averaged 94,869 barrels daily, a decrease of 2,192 barrels from the average September production of 97,061.

The nine refineries in state processed 88,958 barrels of crude oil daily for the month of October, 1966 a decrease of 6,244 barrels from the 95,202 barrels processed daily during the month of September, 1966.

During October, 46 wells were completed, 18 oil, 0 gas well and 28 dry holes.

During October, the commission issued 48 permits to drill new wells, a decrease of 16 from 64 permits issued during September.

SUMMARY OF CRUDE OIL PRODUCTION REFINING STORAGE, ETC., IN MONTANA

MONTH OF OCTOBER, 1966

IN STORAGE OCTOBER 1st	
By Producers	325,553
By Transporters	1,033,165
By Refiners	580,952
TOTAL STORAGE	1,939,670
Produced in Montana During Month	2,940,941
Imported During Month	1,740,666
TOTALS	6,621,277
DISPOSITION:	
Refined in Montana	2,757,703
Exported	1,940,367
Used for Fuel or Lost	29,387
TOTAL	4,727,457
IN STORAGE OCTOBER 31st	
By Producers	334,877
By Transporters	930,692
By Refiners	628,251
TOTAL STORAGE	1,893,820

NATURAL GAS WITHDRAWALS IN MONTANA

Month of October, 1966

Field	M. Cu. Ft.
Bears Den	0
Big Coulee	81,973
Bowdoin	145,763
Bowes	54,551
Cabin Creek	106,514
Cedar Creek	170,949
Cut Bank (Including Reagan)	792,159
Devon	0
Dry Creek	94,232
Elk Basin	131,010
Flat Coulee	1,887
Gold Butte	0
Golden Dome	0
Grandview	0
Hardin	4,573
Keith Block	403,536
Kevin Sunburst	65,854
Lake Basin	108,183
Middle Butte	4,619
Mt. Lilly	39,908
Pine	66,054
Plevna	12,134
Utopia	132,163
Whitlash	138,355
Miscellaneous	81,193
TOTAL	2,635,610

Total withdrawals for October, 1965 were 2,184,065 M Cu. Ft.

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PRODUCERS REPORT — MONTH OF OCTOBER, 1966

Lease	Field	No. of Wells	Storage 1st of Month	Oil Produced	Oil Shipped By		Used or Lost	Storage End of Month
					Pipeline	Truck		
2	Ash Creek	5	420	5,046	.....	5,290	.....	176
1	Bannatyne	1	1,388	.....	.....	65	.....	1,323
1	Bascom	1	.....	181	53	.....	.....	128
6	Bear's Den	6	1,485	1,654	.....	1,524	.....	1,615
1	Benrud	1	585	2,082	2,425	.....	.....	242
1	Benrud East	1	500	8,997	8,755	.....	.....	742
2	Benrud Northeast	2	808	16,379	15,924	.....	.....	1,263
1	Berthelote	1	168	5	.....	.....	.....	173
8	Big Wall	26	1,794	17,083	17,634	.....	.....	1,243
4	Blackfoot	7	1,540	3,270	.....	2,866	.....	1,944
....	Blackfoot East	....	214	.....	.....	.....	.....	214
4	Border	6	.....	766	.....	766	.....	.....
1	Bowes	59	4,660	16,979	18,248	.....	.....	3,391
2	Bradley	2	353	801	378	.....	.....	776
1	Brady	1	296	225	225	.....	.....	296
....	Bynum	....	75	.....	.....	.....	.....	75
2	Cabin Creek	103	6,822	267,332	267,813	.....	.....	6,341
16	Cat Creek	88	3,266	13,664	10,057	3,521	.....	3,352
1	Clark's Fork	1	189	206	.....	195	.....	200
2	Conrad South	2	663	1,231	1,231	.....	.....	663
1	Cupton	1	1,352	942	.....	1,265	.....	1,029
188	Cut Bank	992	101,313	305,729	302,911	3,246	1,161	99,724
2	Deer Creek	3	1,311	3,456	3,533	.....	.....	1,234
1	Delphia	1	273	248	.....	194	.....	327
....	Devil's Basin	....	451	.....	.....	.....	.....	451
1	Dry Creek	1	143	58	.....	192	.....	9
14	Dwyer	15	5,574	25,113	24,260	.....	.....	6,427
3	Elk Basin	55	1,469	261,309	261,267	.....	.....	1,511
5	Elk Basin Northwest	16	2,112	16,625	16,177	.....	.....	2,560
2	Fairview	2	1,016	17,350	.....	17,222	.....	1,144
3	Fertile Prairie	3	659	2,115	.....	2,016	.....	758
24	Flat Coulee	30	4,104	20,635	20,197	.....	.....	4,542
31	Flat Lake	48	7,705	112,774	113,623	.....	136	6,720
2	Frannie	2	.....	1,243	1,243	.....	.....	.....
16	Fred & George Creek	39	2,195	111,000	111,028	.....	44	2,123
2	Gage	2	342	488	.....	400	5	425
1	Gage Southwest	1	559	1,183	.....	1,221	.....	521
4	Gas City	30	5,875	45,427	36,280	8,600	.....	6,422
10	Glendive	16	3,205	38,109	27,275	10,411	.....	3,628
20	Goose Lake	22	3,195	59,448	59,191	.....	.....	3,452
10	Graben Coulee	26	4,793	19,404	14,003	5,471	23	4,700
....	Grandview	....	112	.....	.....	.....	.....	112
5	Gypsy Basin	7	2,011	1,549	.....	821	164	2,575
1	Hibbard	1	112	481	.....	.....	.....	593
7	Ivanhoe	12	2,254	12,634	12,924	.....	44	1,920
10	Keg Coulee	26	5,413	30,027	29,501	.....	.....	5,939
2	Keg Coulee North	2	578	1,846	1,783	.....	.....	641
1	Kelley	1	.....	3,222	.....	2,676	.....	546
116	Kevin Sunburst	729	17,887	37,510	34,007	2,158	30	19,202
3	Little Beaver	30	1,553	8,547	7,874	332	.....	1,894
2	Little Beaver East	14	1,985	26,602	26,522	.....	.....	2,065
2	Lodge Grass	2	669	1,515	.....	1,732	.....	452
25	Lookout Butte	82	4,148	175,791	173,944	.....	.....	5,995
....	Mackay Dome	....	770	.....	.....	.....	.....	770
2	Mason Lake	2	356	1,860	2,038	.....	.....	178
2	Melstone	5	998	2,501	2,723	.....	.....	776
1	Mineral Bench	1	538	1,865	1,569	.....	.....	834
4	Miner's Coulee	4	232	5,389	.....	5,503	.....	118
6	Monarch	12	5,011	15,254	17,234	.....	.....	3,031
4	Mosser	4	.....	539	.....	539	.....	.....
7	Outlook	12	5,181	39,120	36,638	.....	.....	7,663
2	Outlook South	2	750	2,828	2,509	.....	.....	1,069
70	Pennel	116	5,037	180,531	179,010	.....	141	6,417
4	Pine	130	14,307	346,595	346,227	.....	.....	14,675
3	Pole Creek	4	1,899	1,000	.....	1,000	.....	1,899
71	Pondera	307	6,995	29,738	29,471	.....	2	7,260
5	Poplar East	71	9,695	70,382	69,349	.....	168	10,560
4	Poplar Northwest	5	1,501	1,577	1,814	.....	.....	1,264
1	Prairie Elk	1	870	661	.....	.....	.....	1,531
4	Ragged Point	13	2,945	9,423	9,739	.....	.....	2,629
3	Ranch Creek	3	1,250	2,199	.....	2,801	4	644
1	Rattlesnake Coulee	1	287	1,578	.....	1,203	.....	662
4	Reagan	45	975	18,130	17,820	.....	.....	1,285
1	Red Creek	27	.....	27,268	26,368	900	.....	.....
1	Redstone	1	691	984	1,140	.....	.....	535
1	Repeat	1	645	1,934	.....	1,928	.....	651
1	Richey	1	2,053	643	1,229	.....	.....	1,467
6	Richey Southwest	8	1,374	10,220	.....	10,577	.....	1,017
4	Sand Creek	5	.....	6,606	6,606	.....	.....	.....
1	Shotgun Creek	1	334	805	.....	859	.....	280
3	Sidney-Brorson	3	1,636	4,452	2,830	1,265	.....	1,993
2	Snyder	4	968	1,094	.....	1,229	.....	833
5	Soap Creek	18	4,497	4,117	.....	4,491	.....	4,123
1	Spring Lake	2	3,796	5,116	.....	4,869	.....	4,043
2	Stensvad	24	5,582	34,727	35,584	.....	.....	4,725
31	Sumatra	88	10,061	67,341	67,895	.....	.....	9,507
5	Tule Creek	6	3,127	40,481	1,564	39,485	.....	2,559
2	Tule Creek East	2	1,037	26,409	.....	26,604	.....	842
2	Tule Creek South	2	1,137	8,988	.....	8,759	30	1,336
2	Vida	2	836	2,788	.....	2,826	.....	798
4	Volt	6	1,739	24,086	23,399	.....	.....	2,426
6	Weldon	17	1,370	167,042	165,779	.....	.....	2,633
16	Whitlash	44	6,274	26,047	24,380	.....	199	7,742
2	Whitlash West	2	140	2,187	1,949	.....	26	352
2	Wills Creek South	2	1,111	8,188	8,065	.....	.....	1,234
9	Wolf Springs	13	4,820	31,377	24,601	6,609	102	4,885
4	Woodrow	5	692	4,186	4,054	.....	.....	824
1	Wildcat, Glacier County	1	168	392	.....	410	.....	150
....	Wildcat, Liberty County	....	528	.....	.....	.....	.....	528
1	Wildcat, Richland County	1	1,173	3,327	.....	2,744	.....	1,756
1	Wildcat, Roosevelt County	1	256	281	.....	353	.....	184
1	Wildcat, Sheridan County	1	317	404	.....	330	.....	391
885	Total	3,550	325,553	2,940,941	2,731,870	197,468	2,279	334,877

Total Oil Produced and Shipped From Leases	Bbls. Produced	Daily Average	Bbls. Shipped	Daily Average
Year, 1965	32,778,118	89,803	32,787,648	89,829
First Quarter, 1966	8,617,148	95,746	8,589,395	95,437
Second Quarter, 1966	8,949,646	98,347	8,979,056	98,670
July, 1966	3,016,518	97,307	3,010,230	97,104
August, 1966	3,023,617	97,536	3,035,069	97,905
September, 1966	2,911,854	97,061	2,903,516	96,783
October, 1966	2,940,941	94,869	2,929,338	94,494

Oil in Storage	In Producers Field Tank	In Transporters Storage	In Refiners Storage*	Total Oil in Storage*
December, 1965	331,221	946,634	498,990	1,776,845
March, 1966	347,070	1,048,199	675,920	2,071,189
June, 1966	346,155	1,132,500	706,521	2,185,176
July, 1966	347,964	1,096,906	641,547	2,086,417
August, 1966	329,074	1,001,018	511,606	1,841,698
September, 1966	325,553	1,033,165	580,952	1,939,670
October, 1966	334,877	930,692	628,251	1,893,820

*Includes Wyoming Oil

TRANSPORTERS MONTHLY REPORT — MONTH OF OCTOBER, 1966

	Storage First of Month	OIL RECEIVED BY			Loss or (Gain)	OIL SHIPPED TO			Storage End of Month
		Pipeline	Truck	Connecting Carrier		Montana	Other States	Connecting Carrier	
ASH CREEK—Truck			5,290				5,290		
BANNATYNE—Truck			65			65			
BEAR'S DEN—Truck			1,524					1,524	
BIG WALL—Continental Pipeline Co.		17,458				17,458			
BLACKFOOT—									
Camerland Cardinal Corp.			2,237					2,237	
Truck			629					629	
			2,866					2,866	
BORDER—Truck			766				766		
BOWES—Texaco Inc.		18,248				18,248			
CABIN CREEK & OTHERS°									
Butte Pipeline Co.	332,430	866,475	46,714	824,464			1,755,535		314,548
Shell Pipeline Co.	8,119	340,656		339	16,301			326,301	6,512
	340,549	1,207,131	46,714	824,803	16,301		1,755,535	326,301	321,060
CAT CREEK—Continental Pipeline Co.		9,930				9,930			
Truck			3,521			3,521			
		9,930	3,521			13,451			
CLARK'S FORK—Truck			195				195		
CUT BANK—									
Continental Pipeline Co.			18,754	441,640		460,394			
Phillips Petroleum Co.	103,103	71,577			4,894	113,234			56,552
Producers Pipeline Co.	14,278	36,289						29,224	21,343
Texas Pipeline Co.	31,627	66,484		43,887	58			127,158	14,782
Union Oil Co.	75,593	68,715		11,679	560	114,391			41,036
Western Oil Trans. Co.	22,170	39,256		115,688	392			164,182	12,540
Western Oil Trans. (Moulton)		89,702			897			88,805	
	246,771	372,023	18,754	612,894	6,801	688,019		409,369	146,253
DELPHIA—Truck			194			194			
DRY CREEK—Truck			192				192		
DWYER—Portal Pipeline Co.		24,061					24,061		
ELK BASIN & ELK BASIN NORTH-WEST—Marathon Pipeline Co.		275,595				275,595			
FAIRVIEW—									
Rock Island Oil & Ref. Co.			17,222				17,222		
FLAT COULEE—									
Camerland Cardinal Corp.		18,861						18,861	
FLAT LAKE—Portal Pipeline Co.		113,320						113,320	
FRANNIE—Interstate Pipeline Co.		1,243					1,243		
FRED & GEORGE CREEK—									
Camerland Cardinal Corp.	27,817	111,136				8,905		115,755	14,293
GAGE & GAGE S.W.—Truck			1,621			1,621			
GLENDIVE, DEER CREEK, WOODROW & SAND CREEK—									
Texas Pipeline Co.	8,396	44,537			1,021			44,860	7,052
GOOSE LAKE—Portal Pipeline Co.		57,669					57,669		
IVANHOE—Continental Pipeline Co.		12,923				9,194	3,729		
KEG COULEE & KEG COULEE NORTH—Continental Pipeline Co.		29,501				23,094	6,407		
KELLEY—Truck			2,676					2,676	
KEVIN SUNBURST—									
Big West Oil Co.	2,783	35,000				35,000			2,783
Homestake Oil & Gas Co.	1,624	3,500		6,000		9,500			1,624
Producers Pipeline Co.			548				548		
Texas Pipeline Co.	10,653	12,869			263			15,343	7,916
	15,060	51,369	548	6,000	263	44,500	548	15,343	12,323
LODGE GRASS—McWood Corp			1,732			1,732			
MASON LAKE—Continental Pipeline Co.		2,038				2,038			
MELSTONE—Continental Pipeline Co.		2,724				2,724			
MOSSER—Truck			539				539		
POLE CREEK—Truck			1,000				1,000		
PONDERA—Phillips Petr. Co.	35,726	31,009			361	43,912			22,462
POPLAR, BENRUD, BENRUD EAST, OUTLOOK, OUTLOOK SOUTH, RED-STONE, RICHEY, TULE CREEK, TULE CREEK SOUTH & VOLT—									
East Poplar Gathering System	24,111	207,415			34			220,342†	11,150
RAGGED POINT—									
Continental Pipeline Co.		11,073				1,871	9,202		
RANCH CREEK—									
Rock Island Oil & Ref. Co.			2,801				2,801		
RED CREEK—									
Western Oil Transportation Co.		27,268			273			26,995	
SHOTGUN CREEK—Truck			859				859		
SIDNEY-BRORSON—McWood Corp.	6,234		1,265	7,660				10,472	4,687
SNYDER—Truck			1,229			1,229			
SOAP CREEK—McWood Corp.	4,305		4,491	1,393		5,767			4,422
SPRING LAKE—									
Rock Island Oil & Ref. Co.			4,869				4,869		
SUMATRA & STENSVAD—									
Continental Pipeline Co.	317,942	103,479		420,384	1,418	84,325	19,154	357,533	379,375
TULE CREEK—Tesoro Petr. Corp.	6,254		66,089			64,728			7,615
WHITLASH & WHITLASH WEST—									
Camerland Cardinal Corp.		25,983				25,983			
WOLF SPRINGS—									
Continental Pipeline Co.		23,653				23,653			
Truck			6,609				6,609		
		23,653	6,609			23,653	6,609		
WILDCAT WELLS—Truck			3,837				3,837		
TOTALS	1,033,165	2,799,647	197,468	1,873,134	26,472	1,358,306	1,921,727	1,666,217	930,692

°Cabin Creek, Cupton, Fertile Prairie, Gas City, Little Beaver, Little Beaver East, Lookout Butte, Monarch, Pennel, Pine, Repeat, Richey, Richey Southwest, Weldon and Wills Creek South.

†Transferred to Butte Pipeline Company.

BARRELS OF CRUDE OIL REFINED IN MONTANA
MONTH OF OCTOBER, 1966

Field	Big West Oil Co.	Continental Oil Co.	Diamond Asphalt Co.	Farmers Union	Humble Oil & Ref. Co.	Jet Fuel Refinery	Phillips Petr. Co.	Tesoro Petr. Corp.	Union Oil Co.	Total
Big Wall	.....	.....	.....	17,458	.....	.....	.....	.....	.....	17,458
Bowes	.....	.....	26,611	.....	.....	.....	.....	.....	.....	26,611
Cat Creek	.....	7,601	.....	524	.....	5,326	.....	.....	.....	13,451
Cut Bank	39,485	.....	.....	3,100	94,166	449	10,277	.....	61,925	209,402
Delphia	.....	.....	.....	.....	.....	444	.....	.....	.....	444
Dry Creek	.....	.....	.....	.....	.....	116	.....	.....	.....	116
Elk Basin	.....	108,894	.....	69,663	97,037	.....	.....	.....	.....	275,594
Fred & George Creek	8,905	.....	.....	.....	.....	.....	.....	.....	.....	8,905
Gage & Gage S. W.	.....	.....	.....	.....	.....	1,123	.....	.....	.....	1,123
Hibbard	.....	.....	.....	.....	.....	358	.....	.....	.....	358
Ivanhoe	.....	.....	.....	.....	9,194	.....	.....	.....	.....	9,194
Keg Coulee	.....	12,335	.....	10,759	.....	.....	.....	.....	.....	23,094
Kevin Sunburst	.....	.....	.....	.....	.....	.....	.....	.....	44,500	44,500
Lodge Grass	.....	1,732	.....	.....	.....	.....	.....	.....	.....	1,732
Mason Lake	.....	2,038	.....	.....	.....	.....	.....	.....	.....	2,038
Melstone	.....	.....	.....	2,724	.....	.....	.....	.....	.....	2,724
Pondera	.....	.....	.....	.....	.....	.....	144,723	.....	.....	144,723
Ragged Point	.....	981	.....	890	.....	.....	.....	.....	.....	1,871
Red Creek	.....	.....	.....	.....	26,368	.....	.....	.....	.....	26,368
Sand Creek	.....	.....	.....	.....	.....	750	.....	.....	.....	750
Snyder	.....	1,229	.....	.....	.....	.....	.....	.....	.....	1,229
Soap Creek	.....	5,767	.....	.....	.....	.....	.....	.....	.....	5,767
Sumatra & Stensvad	.....	18,787	.....	65,538	15,626	.....	.....	.....	.....	99,951
Tule Creek	.....	.....	.....	.....	.....	.....	.....	64,728	.....	64,728
Whitlash	25,983	.....	.....	.....	.....	.....	.....	.....	.....	25,983
Wolf Springs	.....	.....	.....	.....	8,923	.....	.....	.....	.....	8,923
Total Montana Oil	74,373	159,364	26,611	170,656	251,314	8,566	155,000	64,728	106,425	1,017,037
Canadian Oil Imported	.....	478,617	.....	.....	.....	.....	.....	.....	.....	478,617
Wyoming Oil Imported	.....	95,287	.....	375,697	791,065	.....	.....	.....	.....	1,262,049
Total Montana, Canadian and Wyoming Oil	74,373	733,268	26,611	546,353	1,042,379	8,566	155,000	64,728	106,425	2,757,703

AVERAGE BARRELS PER DAY

	Montana	Canada	Wyoming	Total
Year, 1965	32,792	12,751	44,980	90,523
October, 1965	29,694	12,428	46,695	88,817
October, 1966	32,807	15,440	40,711	88,958

PERCENTAGE OF CRUDE OIL REFINED

	Montana	Canada	Wyoming
Year, 1965	36.22%	14.10%	49.68%
October, 1965	33.43%	14.00%	52.57%
October, 1966	36.87%	17.37%	45.76%